

CLAIMS

We claim:

1. A method of cooling goods comprising the steps of:
 - placing said goods on a surface;
 - providing an apparatus adapted to form a chamber over said goods on the surface;
 - positioning at least one cooling apparatus having a first portion and a second portion proximate the goods;
 - positioning the apparatus adapted to form a chamber over said goods and over the first portion of the cooling apparatus;
 - substantially sealing the chamber; and
 - cooling the goods.
2. The method of claim 1 wherein the step of cooling said goods comprises the step of:
 - sensing a first condition;
 - setting a desired condition; and
 - activating the cooling apparatus to affect the first condition in response to the desired condition.
3. The method of claim 2 wherein first condition is a chamber temperature and the desired condition is a desired chamber temperature.
4. The method of claim 2 wherein first condition is an inner temperature of the goods and the desired condition is a desired inner temperature of the goods.
5. The method of claim 1 wherein the step of positioning the at least one cooling apparatus comprises the steps of:

providing at least one carrier in contact with the cooling apparatus to facilitate the positioning of the apparatus.

6. The method of claim 1 wherein the step of substantially sealing the chamber comprises the step of:

causing a seal to deform against the surface.

7. The method of claim 6 wherein the first portion and the second portion of the cooling apparatus are connected via an intermediate portion of the cooling apparatus, and the step of substantially sealing the chamber further comprises the step of:

causing the seal to deform against the intermediate portion to substantially seal the chamber.

8. The method of claim 1 further comprising the step of treating said goods after the step of substantially sealing the chamber.

9. The method of claim 8 wherein the step of treating comprises the step of fumigating the goods.

10. A cooling apparatus frame comprising:

a frame first portion for mounting an evaporation coil;

a frame second portion for mounting a compressor; and

a frame intermediate portion connecting the frame first portion to the frame second portion; said frame intermediate portion forming a conduit between the frame first portion and the frame second portion; the conduit providing access for a connection between the evaporation coil and the compressor.

11. The cooling apparatus frame of claim 10 wherein the frame is adapted to receive a seal that forms a chamber.

12. The cooling apparatus frame of claim 11 wherein the frame intermediate portion comprises a surface having a plurality of sloped portions and a substantially level portion adjacent to one of the plurality of sloped portions.
13. The cooling apparatus frame of claim 10 further comprising one or more carriers associated with the frame to facilitate movement of the frame.
14. The cooling apparatus frame of claim 13, wherein the one or more carriers comprise at least one caster.
15. The cooling apparatus frame of claim 10 further comprising at least one projection adjacent to the evaporation coils to facilitate movement of a flowable material through the evaporation coils.
16. The cooling apparatus frame of claim 10 further comprising a circulation fan mounted to the frame first portion.
17. The cooling apparatus frame of claim 10 further comprising a deflector mounted to the frame first portion to direct the flowable material in a desired direction.
18. A cooling system comprising:
 - a first support;
 - an evaporation coil mounted to the first support;
 - a second support;
 - a compressor mounted to the second support, the compressor coupled to the evaporation coil; and
 - a substantially sealed enclosure positioned over the evaporation coil and such that the compressor is positioned without the chamber.

19. The cooling system of claim 18 further comprising an intermediate support connected to the evaporation coil support and the compressor support, the intermediate support having a beveled surface to facilitate substantially sealing the enclosure.
20. The cooling system of claim 19 wherein the beveled surface forms a conduit to facilitate the coupling of the evaporation coil and the compressor.
21. The cooling system of claim 18 wherein the compressor is detachably coupled to the evaporation coil.
22. The cooling system of claim 18 further comprising a projection associated with the evaporation coil to inhibit contact between the substantially sealed enclosure and the evaporation coil.
23. The cooling system of claim 18 further comprising a control device in communication with the compressor, the control device comprising at least one sensor for detecting a condition of the chamber, the control device issuing a control instruction in response to a desired condition of the chamber, the compressor responsive to the control instruction to affect the chamber condition.